

ABSTRACT

A safety mechanism of a utility lighter. The safety mechanism includes a cam mechanism and a safety button. The cam mechanism has three projecting members, namely, a fuel-release lever, a cam lever, and a return spring. The fuel-release lever, when activated, opens the fuel-release valve. The cam lever, when in the locked position is aligned with the stopper tab, impedes operation of the trigger. The return spring urges the cam lever into the locked position and the fuel-release lever into the closed position. The cam mechanism is operated by a safety button, as the safety button is depressed the cam mechanism rotates. Rotating the cam mechanism moves the cam lever out of alignment from the stopper tab. Thus allowing the trigger to be depressed and the fuel-release lever is also moved opening the fuel-release valve, as the safety button is released the return spring urges the cam mechanism into the locked position.

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